

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	144	thioetherification	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 14:35
L2	109	mercaptan with react\$4 with diolefin	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 14:35
L3	220	L1 or L2	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 14:35
L4	0	I3 and distillation adj reactor with (mid-range or intermediate)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 14:36
L5	0	I3 and distillation near reactor with (mid-range or intermediate)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 14:36
L6	8	I3 and distillation near5 reactor with (mid-range or intermediate)	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 14:37
L7	59	hydrodesulfuriz\$5 with distillation near5 reactor	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 14:40
L8	7	hydrodesulfuriz\$5 with distillation near5 reactor and distillation near5 reactor same (combin\$4 or blend\$4) with overhead\$1 with bottom\$1	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 14:41
S1	1491	208/211,254R,208R.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 10:56
S2	14	US-5120881-\$.DID. OR US-5292993-\$.DID. OR US-5510568-\$.DID. OR US-5595634-\$.DID. OR US-5597476-\$.DID. OR US-5629451-\$.DID. OR US-5741930-\$.DID. OR US-5807477-\$.DID. OR US-6090270-\$.DID. OR US-6231752-\$.DID. OR US-6248230-\$.DID. OR US-6440299-\$.DID. OR US-6444118-\$.DID. OR US-6495030-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/22 17:05
S3	6	S1 and S2	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/22 17:05

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S4	1	naphtha with olefin with diolefin with mercaptan with thiophene with thiophenic with organic adj nitrogen	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 17:26
S5	25	naphtha with organic adj nitrogen	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 17:30
S6	0	S2 and S5	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 17:30
S7	5	S1 and S5	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 17:26
S8	1	S2 and naphtha same organic adj nitrogen	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 17:29
S9	2	S2 and organic adj nitrogen	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 17:30
S10	1343	naphtha with nitrogen	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 17:30
S11	0	S2 and S10	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 17:30
S12	13	S2 and nitrogen	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/22 17:30
S13	1491	208/211,254R,208R.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/31 13:20
S14	1	S13 and naphtha same olefin with diolefin with mercaptan with thiophene with thiophenic	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/31 13:18
S15	12	S13 and naphtha same olefin with diolefin with mercaptan with thiophen\$2	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/31 13:20
S16	1	naphtha same thiophenic same organic adj nitrogen	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/23 09:51
S17	49	naphtha same thiophenic	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/23 09:49
S18	22	S13 and S17	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/23 09:50

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S19	3	S15 and S18	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/23 09:49
S20	173	naphtha same organic adj nitrogen	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/23 09:51
S21	12	S13 and S20	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/23 09:52
S22	2	S15 and S21	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/23 09:52
S23	25	naphtha with organic adj nitrogen	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/23 11:17
S24	6	US-5597476-\$.DID. OR US-5837130-\$.DID. OR US-6303020-\$.DID. OR US-6416658-\$.DID. OR US-6495030-\$.DID. OR US-6592750-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/30 16:21
S25	6	US-5597476-\$.DID. OR US-5837130-\$.DID. OR US-6303020-\$.DID. OR US-6416658-\$.DID. OR US-6495030-\$.DID. OR US-6592750-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/30 16:22
S26	4	US-6444118-\$.DID. OR US-6984312-\$.DID. OR US-7005058-\$.DID. OR US-6676830-\$.DID.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/30 16:23
S27	10	S24 or S26	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/30 18:04
S28	8	S27 and diolefins	USPAT	OR	OFF	2007/03/30 17:26
S29	7	S27 and diolefins with mercaptans	USPAT	OR	OFF	2007/03/30 17:27
S30	4	S27 and diolefins with mercaptans same thioetherification	USPAT	OR	OFF	2007/03/30 17:26
S31	8	S27 and nitrogen	USPAT	OR	OFF	2007/03/30 17:27
S32	7	S27 and organic adj nitrogen	USPAT	OR	OFF	2007/03/30 17:27
S33	1494	208/211,254R,208R.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 17:41
S34	2	S33 and organic adj nitrogen with selective\$4 with \$2sorb\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 17:42

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S35	5	S33 and organic adj nitrogen with selective\$4 with adsorb\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 17:44
S36	0	S33 and organic adj nitrogen with selective\$4 with absorb\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 17:42
S37	5	208/254R.ccls. and organic adj nitrogen with selective\$4 with adsorb\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 17:44
S38	17	208/254R.ccls. and nitrogen with selective\$4 with adsorb\$4	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 17:46
S39	16	208/254R.ccls. and nitrogen with selective\$4 with adsorb\$4 and adsorb\$4 same (alumina or acid adj white adj clay or Fuller's adj earth or active adj carbon or zeolite or hydrated adj alumina or silica adj gel)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/30 17:48
S40	7	("5320742" "5510089" "5597476" "5779883" "5807477" "6083378" "6303020").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/30 18:01
S41	5	S27 and hydrodesulfuriz\$4 with distillation	US-PGPUB; USPAT; USOCR	OR	OFF	2007/03/30 18:04
S42	1	"208"/\$.ccls. and naphtha same olefin with diolefin with mercaptan with thiophene with thiophenic	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/31 13:41
S43	1424	208/211,212,208R.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/31 13:20
S44	12	S43 and naphtha same olefin with diolefin with mercaptan with thiophen\$2	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/31 13:22
S45	11	S43 and naphtha same olefin with diolefin with mercaptan with thiophen\$2 and thioetherification adj catalyst	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/31 13:24
S46	1	S43 and thioetherification adj catalyst same distillation adj reactor	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/31 13:31
S47	34	thioetherification adj catalyst	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/31 13:31
S48	1	naphtha same olefin with diolefin with mercaptan with thiophene with thiophenic	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/31 13:41

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S49	4	naphtha same olefin same diolefin same mercaptan same thiophene same thiophenic	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/31 13:42
S50	28	naphtha same mercaptan same diolefin and thioetherification near catalyst	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/31 13:42
S51	144	thioetherification	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 14:35
S52	109	mercaptan with react\$4 with diolefin	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 11:12
S53	33	S51 and S52	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 11:13
S54	29	S53 and naphtha	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 11:13
S55	79	hydrodesulfuriz\$5 with distillation adj column	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 14:39
S57	28	208/211.ccls. and naphtha and hydrodesulfuriz\$5 with distillation adj column	US-PGPUB; USPAT; USOCR	OR	ON	2007/04/03 11:44